

## [CLAIMS]

1. An ink jet recording element comprising a support and an ink receiving layer wherein said ink receiving layer comprises (a) a pigment, (b) a silanol modified polyvinyl alcohol, and (c) a film-forming polymer having a glass transition temperature  $T_g$  lower than 50 °C.
2. An ink jet recording element according to claim 1 wherein said pigment is a porous inorganic pigment.
3. An ink jet recording element according to claim 2 wherein said porous inorganic pigment is a silica.
4. An ink jet recording element according to claim 1 wherein said silica is an amorphous silica having an average particle size between 1  $\mu\text{m}$  and 15  $\mu\text{m}$ .
5. An ink jet recording element according to claim 1 wherein said silanol modified polyvinyl alcohol has a silanol modification degree between 0.1 % and 10 % and a viscosity of a 4% aqueous solution between 1 and 25 mPa.s.
6. An ink jet recording element according to claim 1 wherein said film-forming polymer having a  $T_g$  lower than 50 °C is a latex.
7. An ink jet recording element according to claim 6 wherein said latex is a copoly(styrene-butadiene) latex.
8. An ink jet recording element according to claim 6 wherein said latex is an acrylate latex.
9. An ink jet recording element according to claim 1 wherein said ink receiving layer further comprises a cationic substance.
10. An ink jet recording element according to claim 9 wherein said cationic substance is a poly(diallyldimethylammonium chloride) or a dimethylamine-epichlorohydrine copolymer.

11. An ink jet recording element according to claim 1 wherein said element further comprises an adhesive undercoat layer containing an adhesive polymer between said support and said ink receiving layer.
- 5 12. An ink jet recording element according to claim 11 wherein said adhesive polymer is a copoly(styrene-butadiene) latex.
13. An ink jet recording element according to claim 11 wherein said adhesive polymer is an acrylate latex.
- 10 14. An ink jet recording element according to claim 13 wherein said acrylate latex is ethylacrylate-hydroxyethylmethacrylate copolymer.
- 15 15. An ink jet recording element according to claim 11 wherein said adhesive polymer is a vinylester latex.
16. An ink jet recording element according to claim 1 wherein said support is an opaque support.

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